CHAMPION
POWER EQUIPMENT™

OWNER'S MANUAL & OPERATING INSTRUCTIONS

3000 PSI / 2.5 GPM

PRESSURE WASHER

One Year Limited Warranty
1 YEAR
Garantía limitada de un año

MODEL NUMBER
76520

SAVE THESE INSTRUCTIONS
Important Safety Instructions
are included in this manual.

MADE IN CHINA
REV 76520-20120824

10006 Santa Fe Springs Road
Santa Fe Springs CA 90670
USA / 1-877-338-0999
www.championpowerequipment.com

Have questions or need assistance?

Do not return this product to the store!

WE ARE HERE TO HELP!

Visit our website:
www.championpowerequipment.com
for more info:

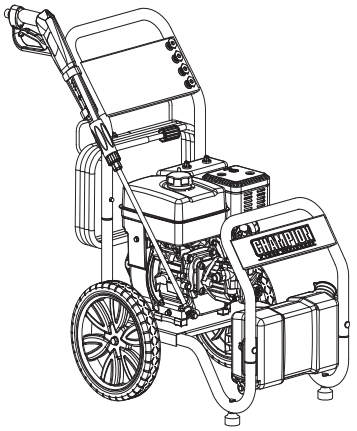
- Product Info & Updates
- Frequently Asked Questions
- Tech Bulletins
- Product Registration

– or –

Call our Customer Care Team Toll-Free at:
1-877-338-0999

WARNING:
The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

*We are always working to improve our products. Therefore, the enclosed product may differ slightly from the image on the cover.



3000 PSI / 2.5 GPM

PRESSURE WASHER

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INTRODUCTION

Introduction

Congratulations on your purchase of a Champion Power Equipment pressure washer. CPE designs and builds pressure washers to strict specifications. With proper use and maintenance, this pressure washer will bring years of satisfying service.

Pressure Washer

This unit is a gasoline engine driven pressure washer. It is designed for use in cleaning with or without detergent and is suitable for decks, patios, house siding, vehicles, lawn furniture, barbecue grills, gardening tools and more.

Accessories

Champion Power Equipment manufactures and sells accessories designed to help you get the most from your purchase. To find out more about our accessories, please visit our web site at:

➔ **www.championpowerequipment.com**

This Booklet

Every effort has been made to ensure the accuracy and completeness of the information in this manual. We reserve the right to change, alter and/or improve the product and this document at any time without prior notice.

Record the model and serial numbers as well as date and place of purchase for future reference. Have this information available when ordering parts and when making technical or warranty inquiries.

Champion Power Equipment Support
1-877-338-0999
Model Number
76520
Serial Number
Date of Purchase
Purchase Location

For **Oil Type** see ‘Add Engine Oil‘ section. For **Fuel Type** see ‘Add Fuel‘ section.

MANUAL CONVENTIONS

This manual uses the following symbols to help differentiate between different kinds of information. The safety symbol is used with a key word to alert you to potential hazards in operating and owning power equipment.
Follow all safety messages to avoid or reduce the risk of serious injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, ***will*** result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, ***could*** result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, ***may*** result in minor or moderate injury.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, ***may*** result in property damage.

NOTE

If you have questions regarding your pressure washer, we can help. Please call our help line at **1-877-338-0999**

SAFETY RULES

⚠ WARNING

Read this manual thoroughly before operating your pressure washer. Failure to follow instructions could result in serious injury or death.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

⚠ DANGER

Engine exhaust contains carbon monoxide, a colorless, odorless, poison gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.

Operate pressure washer outdoors only in a well ventilated area.
DO NOT operate the pressure washer inside any building, including garages, basements, crawlspaces and sheds, enclosure or compartment, including the pressure washer compartment of a recreational vehicle.
DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents or other openings.
DANGER CARBON MONOXIDE, using a pressure washer indoors **CAN KILL YOU IN MINUTES.**

⚠ DANGER

Rotating parts can entangle hands, feet, hair, clothing and/or accessories.
Traumatic amputation or severe laceration can result.

Keep hands and feet away from rotating parts.
Tie up long hair and remove jewelry.
Operate equipment with guards in place.
DO NOT wear loose-fitting clothing, dangling drawstrings or items that could become caught.

⚠ WARNING

Sparks can result in fire or electrical shock.

When servicing the pressure washer:
Disconnect the spark plug wire and place it where it cannot contact the plug.
DO NOT check for spark with the plug removed.
Use only approved spark plug testers.

⚠ WARNING

Running engines produce heat. Severe burns can occur on contact. Combustible material can catch fire on contact.

DO NOT touch hot surfaces.
Avoid contact with hot exhaust gases.
Allow equipment to cool before touching.
Maintain at least three feet of clearance on all sides to ensure adequate cooling.
Maintain at least five feet of clearance from combustible materials.

⚠ WARNING

DO NOT let water in the pump freeze.

See Storage section in the manual for instructions regarding winter storage.
If water has frozen in the pressure washer, thaw the pressure washer in a warm room before starting.
DO NOT pour hot water on or into the pump; internal parts will be damaged and your warranty will be voided.

⚠ WARNING

NEVER spray flammable liquids or use pressure washer in areas containing combustible dust, liquids, or vapor.

NEVER operate this machine in a closed building or in or near an explosive environment.
• DO NOT remove fuel tank cap or fill fuel tank while engine is hot or running (allow engine to cool two minutes before refueling). Always fill the tank slowly.
• Never disconnect the high pressure discharge hose from the machine while the system is pressurized.

SAFETY RULES

⚠ DANGER

Fuel and fuel vapors are highly flammable and extremely explosive.
Fire or explosion can cause severe burns or death.
Unintentional startup can result in entanglement, traumatic amputation or laceration.

When adding or removing fuel:
Turn the pressure washer off and let it cool for at least two minutes before removing the fuel cap.
Loosen the cap slowly to relieve pressure in the tank.
Only fill or drain fuel outdoors in a well-ventilated area.
DO NOT pump gas directly into the pressure washer at the gas station. Use an approved container to transfer the fuel to the pressure washer.
DO NOT overfill the fuel tank.
Always keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.
DO NOT light or smoke cigarettes.

When starting the pressure washer:
DO NOT attempt to start a damaged pressure washer.
Make certain that the gas cap, air filter, spark plug, fuel lines and exhaust system are properly in place.
Allow spilled fuel to evaporate fully before attempting to start the engine.
Make certain that the pressure washer is resting firmly on level ground.

When operating the pressure washer:
DO NOT move or tip the pressure washer during operation.
DO NOT tip the pressure washer or allow fuel or oil to spill.

When transporting or servicing the pressure washer:
Make certain that the fuel shutoff valve is in the off position and the fuel tank is empty.
Disconnect the spark plug wire.

When storing the pressure washer:
Store away from sparks, open flames, pilot lights, heat and other sources of ignition.

CAUTION

NEVER run the unit dry.

Be sure the water supply is completely turned on before operating the unit.

⚠ WARNING

Rapid retraction of the starter cord will pull hand and arm towards the engine faster than you can let go.
Unintentional startup can result in entanglement, traumatic amputation or laceration.
Broken bones, fractures, bruises or sprains could result.

When starting engine, pull the starter cord slowly until resistance is felt and then pull rapidly to avoid kickback.

⚠ DANGER

Keep clear of nozzle.
DO NOT point the pressure wand at a person, an animal or yourself.

Always wear safety glasses or goggles and protective equipment (hearing protection, gloves, rubber boots, protective clothing) when operating or performing maintenance.
• Never put hand or fingers over the spray tip while operating the unit.
• Never try to stop or deflect leaks with any body part.
• Always engage the trigger safety latch in the safe position when spraying is stopped even if only for a few moments.

ⓘ CAUTION

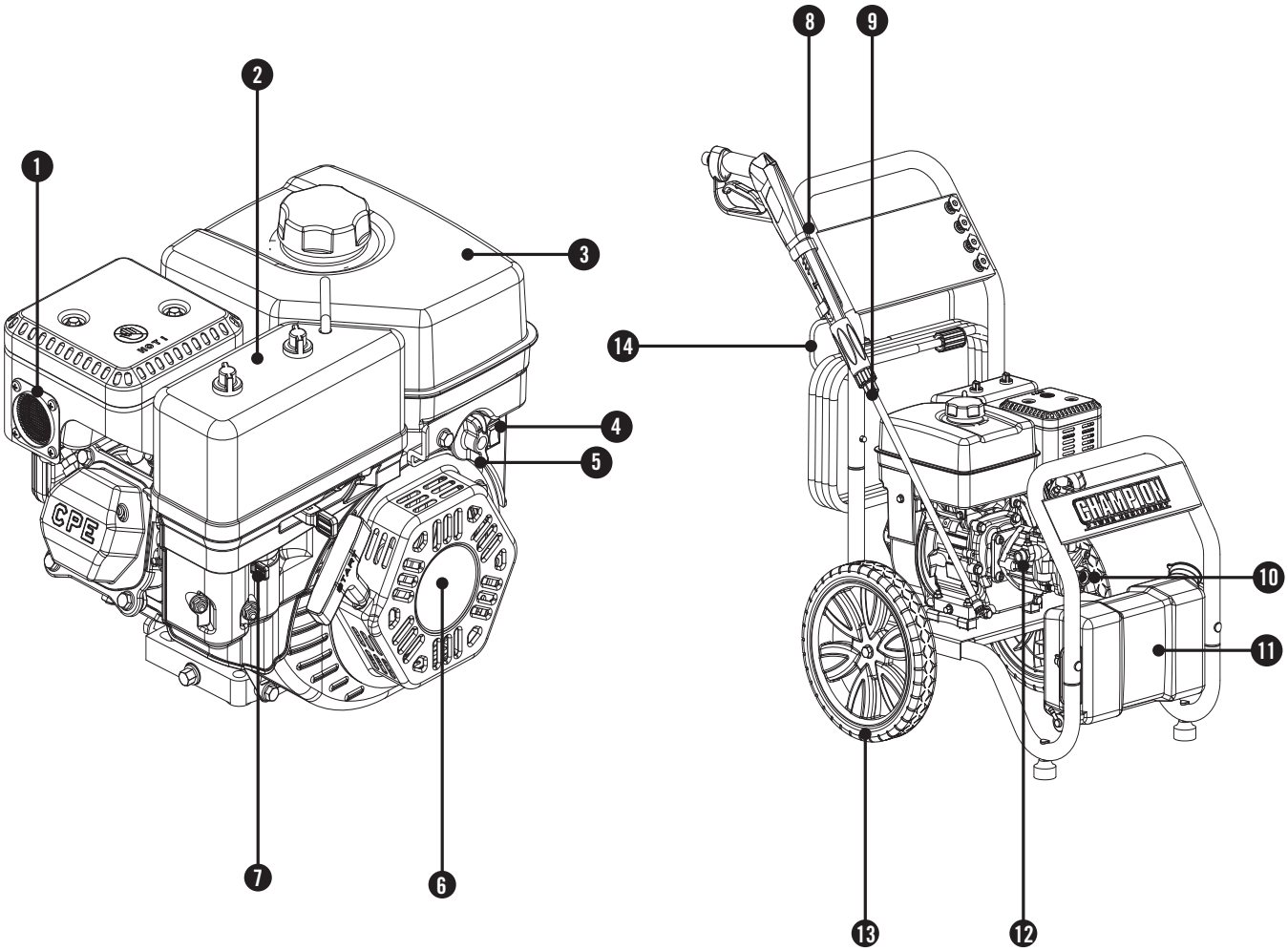
Improper treatment or use of the pressure washer can damage it, shorten its life and void your warranty.

Use the pressure washer only for intended uses.
Operate only on level surfaces.
DO NOT expose pressure washer to excessive moisture, dust, or dirt.
DO NOT allow any material to block the cooling slots.
DO NOT use the pressure washer if:
– Equipment sparks, smokes or emits flames
– Equipment vibrates excessively

CONTROLS AND FEATURES

Read this owner's manual before operating your pressure washer. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.

Pressure Washer



(1) Muffler

(2) Air Filter – Protects the engine by filtering dust and debris from the intake air.

(3) Fuel Tank – 0.90 gal. (3.4 L)

(4) Engine Switch

(5) Fuel Valve Knob – Used to turn fuel supply on and off to engine.

(6) Recoil Starter – Used to manually start the engine.

(7) Choke

(8) Gun Holder – Used to hold gun when assembled and in use.

(9) Gun Assembly – Gun and High pressure wand for power washing.

(10) Garden Hose Connection

(11) Detergent Tank

(12) High Pressure Hose Connection

(13) 12" Never Flat Tires

(14) High Pressure Hose Hanger – Used to hold high pressure hose when not in use.

CONTROLS AND FEATURES

Parts Included

Your 76520 Gasoline Powered Pressure Washer ships with the following parts:

Gun Assembly

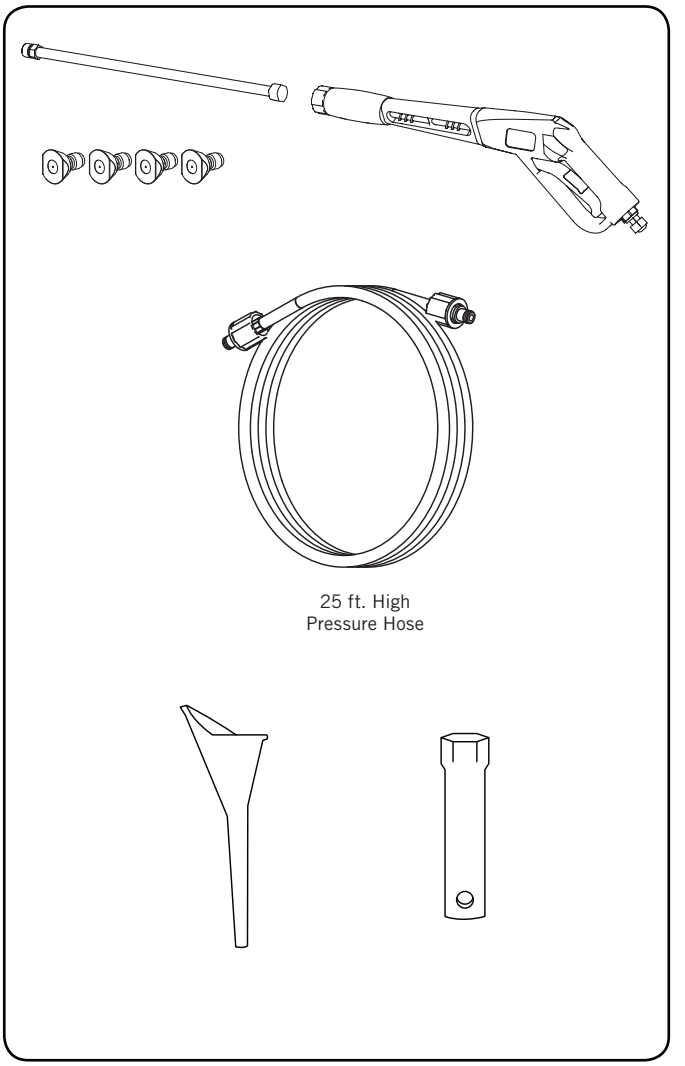
- Pressure Gun 1
- Wand 1
- Quick Connect Nozzles 4

Hoses

- 25 ft. High Pressure Hose 1

Other

- Oil Funnel 1
- Spark Plug Socket 1



ASSEMBLY

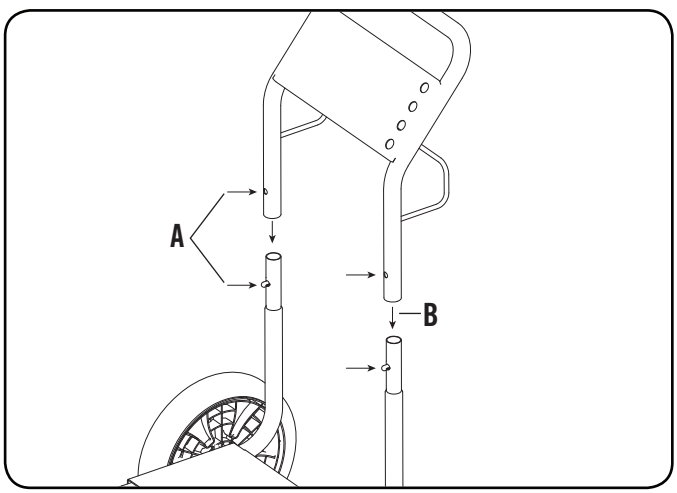
Your pressure washer requires some assembly. This unit ships from our factory without oil. It must be properly serviced with fuel and oil before operation.
If you have any questions regarding the assembly of your pressure washer, call our help line at 1-877-338-0999. Please have your serial number and model number available.

Remove the Pressure Washer from the Shipping Carton

1. Set the shipping carton on a solid, flat surface.
2. Remove everything from the carton except the pressure washer.
3. Carefully cut each corner of the box from top to bottom.

Install Handle to Bottom Frame

1. Line up the handle with the bottom frame.
2. Make sure the handle holes are lined up with the bottom frame spring button. (A)
3. Slide the handle downward on the bottom frame, until the spring buttons have popped through the holes on the handle frame. A “click” may sound. (B)
4. Gently pull up on the handle to make sure that two frames have made a solid connection and that the handle can not be pulled off without pressing on the spring buttons to release it.



Add Engine Oil

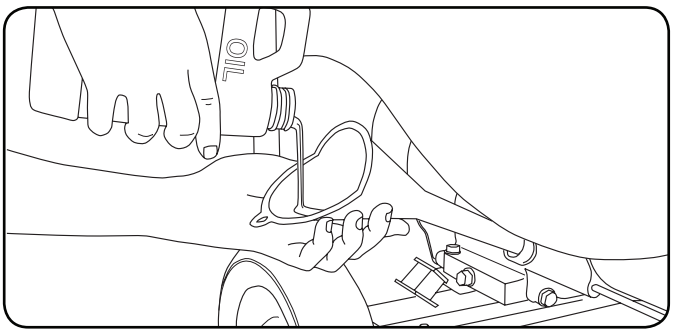
CAUTION

DO NOT attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil. Damage to the pressure washer as a result of failure to follow these instructions will void your warranty.

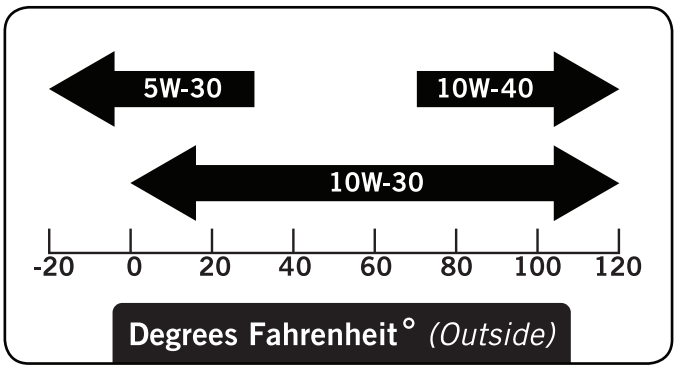
NOTE

The recommended oil type is 10W-30 automotive oil.

1. Place the pressure washer on a flat, level surface.



2. Remove oil fill cap/dipstick to add oil.
3. Add up to 0.63 qt. (0.6 L) of oil and replace oil fill cap/dipstick.



4. Check engine oil level daily and add as needed.

CAUTION

The engine is equipped with a low oil shut-off and will stop when the oil level in the crankcase falls below the threshold level.

NOTE

Check oil often during the break-in period. Refer to the Maintenance section for recommended service intervals.

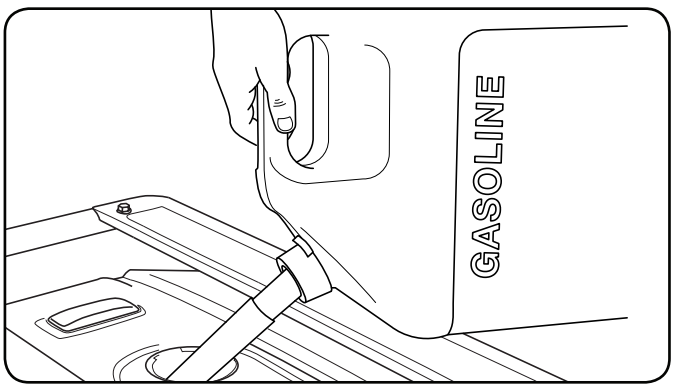
Add Engine Oil Cont'd.

NOTE

The engine rotor has a sealed, pre-lubricated ball bearing that requires no additional lubrication for the life of the bearing.

Add Fuel

1. Use clean, fresh, regular unleaded fuel with a minimum octane rating of 85 and an ethanol content of less than 10% by volume.
2. DO NOT mix oil with fuel.
3. Clean the area around the fuel cap.
4. Remove the fuel cap.
5. Slowly add fuel to the tank. DO NOT OVERFILL. Fuel can expand after filling. A minimum of ¼ in. (0.64 cm) of space left in the tank is required for fuel expansion, more than ¼ in. (0.64 cm) is recommended. Fuel can be forced out of the tank as a result of expansion if it is overfilled, and can affect the stable running condition of the product. When filling the tank, it is recommended to leave enough space for the fuel to expand.



6. Screw on the fuel cap and wipe away any spilled fuel.

WARNING

Pouring fuel too fast through the fuel screen may result in blow back of fuel at the operator while filling.

Add Fuel Cont'd.

CAUTION

Use regular unleaded gasoline with a minimum octane rating of 85.

Do not mix oil and gasoline.
Fill tank to approximately ¼ in. (0.64 cm) below the top of the tank to allow for fuel expansion.
DO NOT pump gas directly into the pressure washer at the gas station. Use an approved container to transfer the fuel to the pressure washer.
DO NOT fill fuel tank indoors.
DO NOT fill fuel tank when the engine is running or hot.
DO NOT overfill the fuel tank.
DO NOT light cigarettes or smoke when filling the fuel tank.

NOTE

Our engines work well with 10% or less ethanol blend fuels. When using blended fuels there are some issues worth noting:

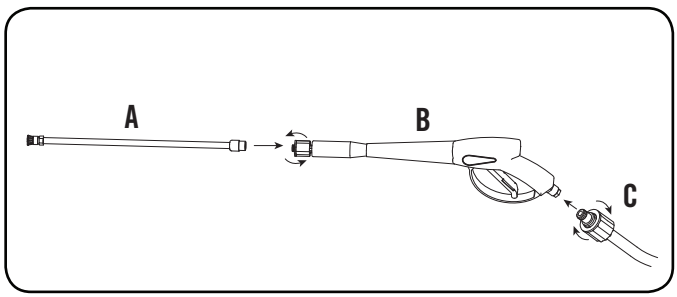
- Ethanol-gasoline blends can absorb more water than gasoline alone.
- These blends can eventually separate, leaving water or a watery goo in the tank, fuel valve and carburetor.
- With gravity-fed fuel supplies, this compromised fuel can be drawn into the carburetor and cause damage to the engine and/or potential hazards.
- There are only a few suppliers of fuel stabilizer that are formulated to work with ethanol blend fuels.
- Any damages or hazards caused by using improper fuel, improperly stored fuel, and/or improperly formulated stabilizers, are not covered by manufacture's warranty.

It is advisable to always shut off the fuel supply, run the engine to fuel starvation and drain the tank when the equipment is not in use for more than 30 days.

ASSEMBLY

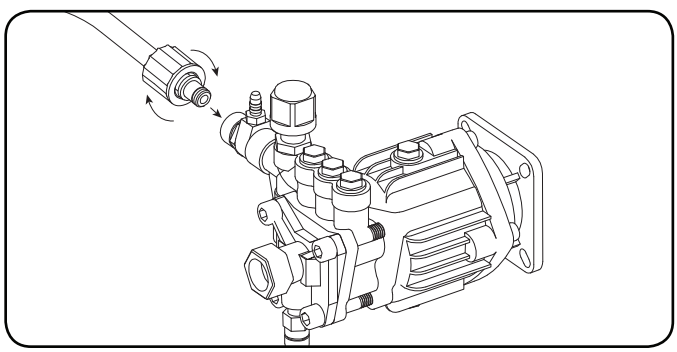
Attach the Pressure Gun Assembly

1. Attach the wand (A) to the gun (B).
2. Rotate the 22 mm nut (clock wise) until the wand is secure. Tighten connection. DO NOT OVER TIGHTEN.
3. Connect the end of the high pressure hose (C) to the gun inlet. Tighten connection clock wise. DO NOT OVER TIGHTEN.
4. Slide the Quick Connect sleeve towards the gun. Insert quick connect nozzle. Be sure the quick connect sleeve is moved forward to secure the nozzle in place.



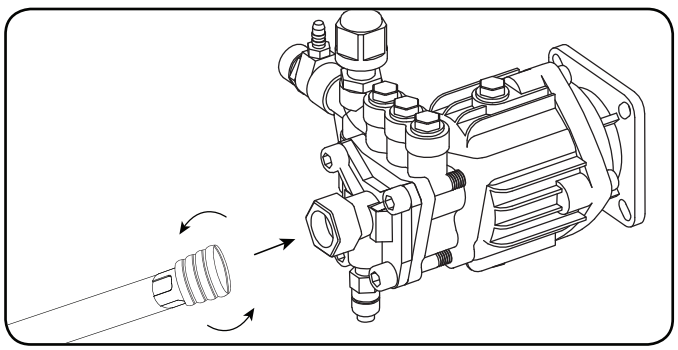
Connect the High Pressure Hose

Take the end of the High Pressure hose that isn't connected to the gun inlet and insert it into the connection on the pump. Rotate hose end (clock wise) until secure. Tighten connection.
DO NOT OVER TIGHTEN.



Connect the Garden Hose

Take the end of the garden hose that isn't connected to the main water supply and connect it to the pump. Rotate the base of the hose connection until secure. Tighten connection. DO NOT OVER TIGHTEN.



Pressure Washer Location

This pressure washer must have at least five feet of clearance from combustible material. Leave at least three feet of clearance on all sides of the pressure washer to allow for adequate cooling, maintenance and servicing. Place the pressure washer in a wellventilated area. DO NOT place the pressure washer near vents or intakes where exhaust fumes could be drawn into occupied or confined spaces. Carefully consider wind and air currents when positioning pressure washer.

Before Starting the Engine

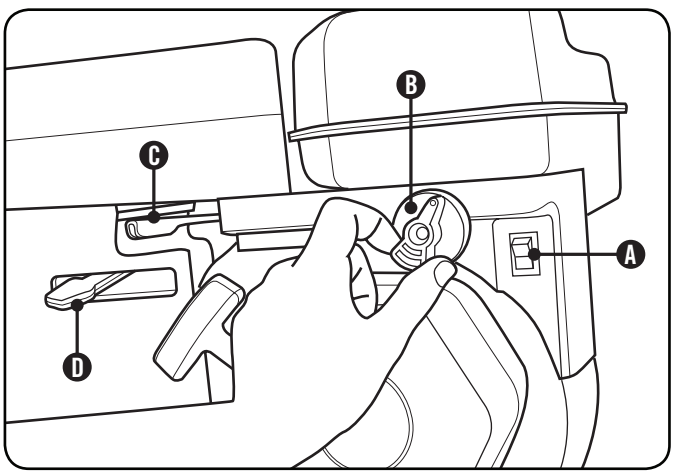
1. Turn the water supply ON.
2. Pull the trigger on the pressure gun to purge all air from the pump and hose. This may take several minutes.
3. Do not start the engine until a steady stream of water is flowing from the nozzle.

CAUTION

Never operate your pressure washer without water.

Starting the Engine

1. Make certain the pressure washer is on a flat, level surface.
2. Press the engine switch to "ON" position (Item A).
3. Rotate the fuel valve to the "ON" position (Item B).



4. Move the throttle lever (Item C) to the "Fast" position.
5. Move the choke lever (Item D) to the "Choke" position.
6. Pull the starter cord slowly until resistance is felt and then pull rapidly. **SEE NOTE.**
7. As engine warms up, move the choke lever (Item D) to "Run" and adjust the throttle as needed.

Starting the Engine Cont'd.

NOTE

Keep choke lever in "Choke" position for 2 pulls of the recoil starter. After second pull, move choke lever to the "Run" position for up to the next 3 pulls of the recoil starter. Too much choke leads to spark plug fouling/engine flooding due to the lack of incoming air. This will cause the engine not to start.

NOTE

If the engine does not start after 2 pulls, relieve pump pressure by pulling the trigger on the pressure washer gun.

NOTE

If the engine starts but does not run make certain that the pressure washer is on a flat, level surface. The engine is equipped with a low oil sensor that will prevent the engine from running when the oil level falls below a critical threshold.

Distance from Cleaning Surface

The distance between the spray nozzle and the cleaning surface is another factor that affects the impact force of the water. The impact force of the water increases as the nozzle is moved closer to the surface. You can vary the impact force by controlling

1. The nozzle's fan pattern.
2. The nozzle's angle to the cleaning surface.
3. The nozzle's distance from the cleaning surface.

Never use a narrow high impact stream on a surface that is susceptible to damage. Avoid spraying windows with a narrow high impact stream or turbo nozzle. Doing so may break the glass.

1. Before triggering the gun, select a nozzle with a wide fan pattern.
2. Place the nozzle approximately 4-5 feet away from the cleaning surface. Then hold the nozzle at a 45 degree angle to the cleaning surface. Trigger the gun.
3. Vary the fan pattern spray angle and the distance to the cleaning surface until optimum cleaning efficiency is achieved without damaging the surface.

OPERATION

High Pressure Wash

CAUTION

Always engage the trigger safety latch when the unit is not in use.

The trigger safety latch prevents the gun from being triggered accidentally. Push the latch fully down to engage it.

Your unit is equipped with a quick connect nozzle port. Choose the appropriate nozzle tip for the job you are performing.

CAUTION

The narrow high impact spray can damage some surfaces.

A wide fan pattern distributes the impact of the water over a larger area resulting in excellent cleaning action with reduced risk of surface damage. Clean large surface areas quickly using a wide fan pattern.

Low Pressure Wash

Detergent Use

The use of detergents can dramatically reduce cleaning time and assist in the removal of difficult stains. Many detergents are customized for pressure washer use on specific cleaning tasks. Pressure washer detergents are as thick as water. Using thicker detergents – like dish soap – will clog the chemical injection system.

NOTE

Use only detergents specially formulated for pressure washers.

You can effectively clean surfaces by combining the chemical action of detergents with high pressure rinses. On vertical surfaces, apply the detergent starting at the bottom and work your way upward. This method prevents the detergent from sliding down and causing streaks. Begin high pressure rinsing at the bottom and work your way upward. On particularly tough stains, use a brush in combination with detergents and high pressure rinsing.

Detergent Use Cont'd.

1. Fill the detergent tank with cleaning solution.
2. Install the Quick Connect detergent nozzle (black) in the wand.
3. Be sure water supply is on. Start the engine. Pull the gun trigger to spray the detergent solution.

WARNING

NEVER use Bleach in the Detergent Tank. It will damage the pump and void the warranty.

NOTE

The gun will only draw detergent from the tank when the Black Detergent Nozzle is installed in the wand.

NOTE

When spraying detergent, the detergent will be diluted 1:12. Approximately 21oz. of detergent will be consumed from the tank for every minute sprayed.

System Flush

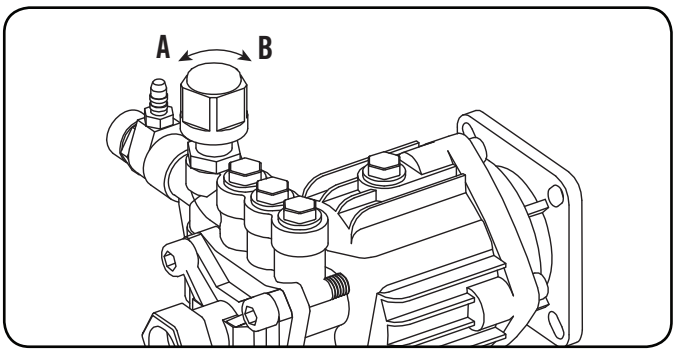
After using detergents, flush the suction system by placing the detergent suction tube into a bucket of clean water.

WARNING

NEVER turn the water supply off before turning the engine off.

Adjustable Unloader

The adjustable unloader, located on top of the valve, can be turned counter clockwise (A) to decrease the PSI or clockwise (B) to increase the PSI.



NOTE

Decreasing the PSI can be useful to prevent damage when cleaning delicate items.

Depressurize System

To depressurize, turn engine/motor off, turn water supply off and squeeze gun trigger 2-3 times.

⚠WARNING

NEVER disconnect the high pressure discharge hose from the machine while the system is pressurized.

To reduce the risk of bodily injury or property damage, always follow this procedure whenever spraying is stopped, when work is completed, and before checking or repairing any part of the system.

1. Engage the trigger safety latch.
2. Turn the unit off.
3. Remove the ignition cable from the spark plug.
4. Shut off the water supply.
5. Disengage the trigger safety latch and trigger the gun to relieve pressure.
6. Re-engage the trigger safety latch.
7. Before overnight storage, long term storage, or transporting unit, disconnect the water supply and turn off the fuel supply valve.

Operating Tips

CAUTION

Never operate your pressure washer without water.

CAUTION

Never connect your pressure washer to a hot water supply.

Connecting your pressure washer to a hot water source will significantly reduce the life of the pump and will void the warranty.

CAUTION

Running the unit for more than one minute without spraying water causes heat to build up in the pump.

In the event that the pump gets too hot, a thermal relief valve will open to release the hot water. Running the unit without spraying water can damage pump components and will void the warranty.

Stopping the Engine

1. Turn the Fuel Valve to the “OFF” position.
2. Let the engine run until fuel starvation has stopped the engine. This usually takes a few minutes.
3. Press the engine switch to the “OFF” position.
4. Depressurize system.
5. Turn off and unplug all hoses. Never start or stop the pressure washer unless the water supply is turned on.

Important: Always ensure that the Fuel Valve and the Engine Switch are in the “OFF” position when the engine is not in use.

NOTE

If the engine will not be used for a period of two (2) weeks or longer, please see the Storage section for proper engine and fuel storage.

OPERATION

Operation at High Altitude

The density of air at high altitude is lower than at sea level. Engine power is reduced as the air mass and air-fuel ratio decrease. Engine power and output will be reduced approximately 3½% for every 1000 feet of elevation above sea level. This is a natural trend and cannot be changed by adjusting the engine. At high altitudes increased exhaust emissions can also result due to the increased enrichment of the air fuel ratio. Other high altitude issues can include hard starting, increased fuel consumption and spark plug fouling.

To alleviate high altitude issues other than the natural power loss, Champion Power Equipment can provide a high altitude carburetor main jet. The alternative main jet and installation instructions can be obtained by contacting Customer Support. Installation instructions are also available in the Technical Bulletin area of the Champion Power Equipment internet site.

The part number and recommended minimum altitude for the application of the high altitude carburetor main jet is listed in the table below.

In order to select the correct high altitude main jet it is necessary to identify the carburetor model. For this purpose, a code is stamped on the side of the carburetor. Select the correct main jet part number corresponding to the carburetor code found on your particular carburetor.

Carburetor Code	Main Jet	Part Number	Altitude
P19-1-Z	Standard	ST168F-2-1131000-17Z	6000 Feet (1800 Meters)
	Altitude	468.131017.01	

⚠WARNING

Operation using the alternative main jet at elevations lower than the recommended minimum altitude can damage the engine. For operation at lower elevations, the standard main jet must be used. Operating the engine with the wrong engine configuration at a given altitude may increase its emissions and decrease fuel efficiency and performance.

MAINTENANCE AND STORAGE

The owner/operator is responsible for all periodic maintenance.

⚠WARNING

Never operate a damaged or defective pressure washer.

⚠WARNING

Improper maintenance will void your warranty.

NOTE

Maintenance, replacement, or repair of emission control devices and systems may be performed by any non-road engine repair establishment or individual.

Complete all scheduled maintenance in a timely manner. Correct any issue before operating the pressure washer.

NOTE

For service or parts assistance, contact our help line at **1-877-338-0999**

Engine Maintenance

To prevent accidental starting, remove and ground spark plug wire before performing any service.

Oil

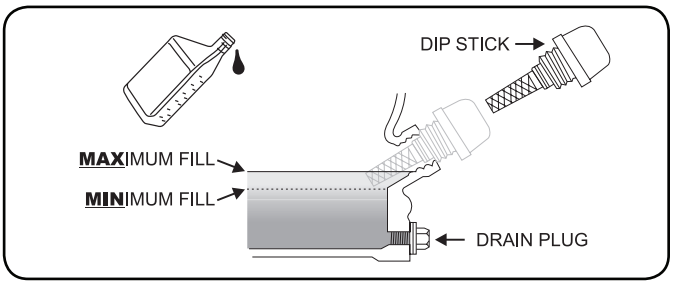
Change oil when the engine is warm. Refer to the oil specification to select the proper grade of oil for your operating environment.

1. Remove the oil drain plug with a 12 mm socket and extension.
2. Allow the oil to drain completely.
3. Replace the drain plug.
4. Remove oil fill cap/dipstick to add oil.
5. Add up to 0.63 qt. (0.6 L) of oil and replace oil fill cap/dipstick.
6. Dispose of used oil at an approved waste management facility.

NOTE

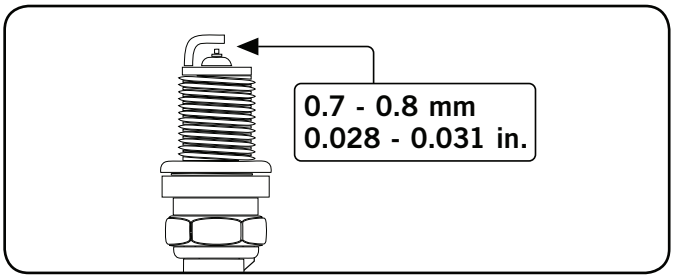
Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole. If using the dipstick to check oil level, DO NOT screw in the dipstick while checking.

Oil Cont'd.



Spark Plugs

1. Remove the spark plug cable from the spark plug.
2. Use the spark plug tool that shipped with your pressure washer to remove the plug.
3. Inspect the electrode on the plug. It must be clean and not worn to produce the spark required for ignition.
4. Make certain the spark plug gap is 0.7 - 0.8mm or (0.028 - 0.031 in.).



5. Refer to the spark plug recommendation chart when replacing the plug.
6. Carefully thread the plug into the engine.
7. Use the spark plug tool to firmly install the plug.
8. Attach the spark plug wire to the plug.

Air Filter

1. Unscrew wing nuts to remove the air filter cover.
2. Remove the air filter.
3. Separate the foam element and the paper element.
4. Tap the paper filter element to remove dirt and debris. Use compressed air (25 PSI) to clear debris.
5. For the foam element: Wash in liquid detergent and water. Squeeze thoroughly dry in a clean cloth.
6. Saturate in clean engine oil.
7. Squeeze in a clean, absorbent cloth to remove all excess oil.
8. Reassemble the two elements and reattach.
9. Reattach the air filter cover and tighten wing nuts. DO NOT OVER TIGHTEN.

MAINTENANCE AND STORAGE

Cleaning

CAUTION

DO NOT spray engine with water.

Water can contaminate the fuel system.

Use a damp cloth to clean exterior surfaces of the engine.
Use a soft bristle brush to remove dirt and oil.
Use an air compressor (25 PSI) to clear dirt and debris from the engine.

Adjustments

CPE recommends that you contact our service line at **1-877-338-0999** for all other service and/or adjustment needs.

Maintenance Schedule

Follow the service intervals indicated in the schedule below.
Service your pressure washer more frequently when operating in adverse conditions.
Contact our help line at **1-877-338-0999** to locate the nearest Champion Power Equipment certified service dealer for your maintenance needs.

Every 8 hours or daily	
	Check oil level
	Clean around air intake and muffler
First 5 Hours	
	Change oil
Every 50 hours or every season	
	Clean air filter
	Change oil if operating under heavy load or in hot environments
Every 100 hours or every season	
	Change oil
	Clean/Adjust spark plug
	Check/Adjust valve clearance *
	Clean spark arrester
	Clean fuel tank and filter *
Every 250 hours	
	Clean combustion chamber*
Every 3 years	
	Replace fuel line

*To be performed by knowledgeable, experienced owners or Champion Power Equipment certified dealers.

Pressure Washer Maintenance

Make certain that the pressure washer is kept clean and stored properly. Only operate the unit on a flat, level surface in a clean, dry operating environment. DO NOT expose the unit to extreme conditions, excessive dust, dirt, moisture or corrosive vapors.

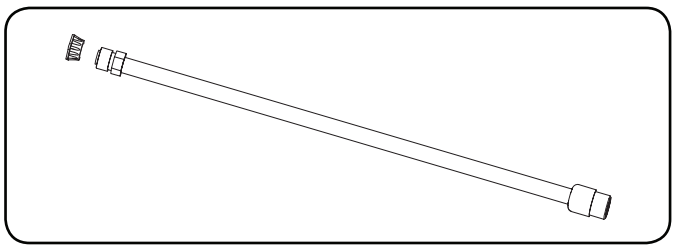
CAUTION

DO NOT use a garden hose to clean the pressure washer.

Use a damp cloth to clean exterior surfaces of the pressure washer.
Use a soft bristle brush to remove dirt and oil.
Use an air compressor (25 PSI) to clear dirt and debris from the pressure washer.
Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

Cleaning Spray Nozzle

Detach the quick connect nozzle from the wand. Use a small wire rod (paper clip) to loosen up any particles in the quick connect nozzle and flush with water.



Storage

For short and long-term storage, please follow these guidelines.

NOTE

Engine switch should be in the “OFF” position while pulling the recoil cord, and performing storage maintenance steps.

Engine Stored for Less than 30 Days

1. Allow the engine to cool completely before storage.
2. Clean engine according to the Maintenance section.
3. To extend the fuel storage life add a properly formulated fuel stabilizer to the tank.
4. Ensure the fuel valve is in the “OFF” position.

Engine Stored for Over 30 Days

1. Add a properly formulated fuel stabilizer to the tank.
2. Run the engine for a few minutes so the treated fuel cycles through the fuel system and carburetor.
3. Turn the fuel valve to the "Off" position.
4. Let the engine run until fuel starvation has stopped the engine. This usually takes a few minutes.
5. The engine needs to cool completely before cleaning and storage.
6. Clean the engine according to the maintenance section.
7. Change the oil.
8. Remove the spark plug and pour about 1/2 ounce of oil into the cylinder. Crank the engine slowly to distribute the oil and lubricate the cylinder.
9. Reattach the spark plug.

⚠ DANGER

Engine exhaust contains odorless and colourless carbon monoxide gas.

To avoid accidental or unintended ignition of the product during periods of storage, the following precautions should be followed:

– When **storing the pressure washer for short or long periods of time** make sure that the Engine Switch and the Fuel Valve are set in the **OFF** position.

NOTE

Our engines work well with 10% or less ethanol blend fuels. When using blended fuels there are some issues worth noting:

– Ethanol-gasoline blends can absorb more water than gasoline alone.
– These blends can eventually separate, leaving water or a watery goo in the tank, fuel valve and carburetor.
– With gravity-fed fuel supplies, this compromised fuel can be drawn into the carburetor and cause damage to the engine and/or potential hazards.
– There are only a few suppliers of fuel stabilizer that are formulated to work with ethanol blend fuels.
– Any damages or hazards caused by using improper fuel, improperly stored fuel, and/or improperly formulated stabilizers, are not covered by manufacture's warranty.

It is advisable to always shut off the fuel supply, run the engine to fuel starvation and drain the tank when the equipment is not in use for more than 30 days.

Pressure Washer Storage

1. Allow the pressure washer to cool completely before storage.
2. Turn off the fuel supply at the fuel valve.
3. Clean the pressure washer according to the instructions in the Maintenance section.
4. Store the unit in a clean, dry area out of direct sunlight.

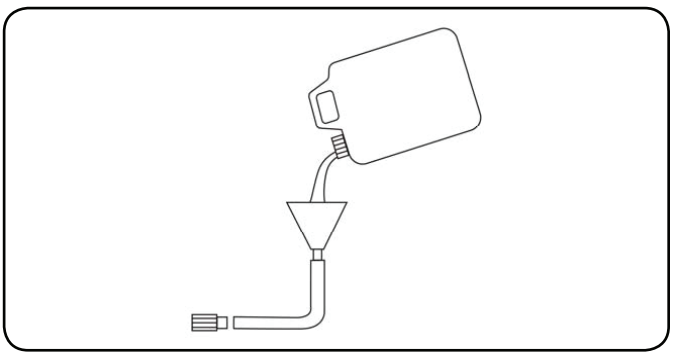
⚠ WARNING

Never store the pressure washer inside or next to appliances where there is a source of heat or open flame, spark or pilot light because they can ignite gasoline vapors.
DO NOT store a pressure washer near fertilizer or any corrosive material.
Even with an empty gas tank, gasoline vapors could ignite.

Winter Storage

Protect your pressure washer parts from freezing.

1. Apply all storage instructions from previous sections.
2. Make sure pressure washer hose is free of all water before storing for winter.
3. In order to prevent the pump from freezing you will need to insert RV antifreeze.
4. You will need approximately 6 ounces of RV Antifreeze, a funnel, and approximately 30 cm (12 in.) of garden hose or equivalent. See diagram below.



5. Pour the antifreeze into the funnel, then pull on the engine recoil starter to create suction in the pump housing. Pull the recoil several times until antifreeze comes out of the pump outlet.

SPECIFICATIONS

Engine Specifications

- Model 66533
- Displacement 196cc
- Type . . . . . 4-Stroke OHV
- Start Type . . . . . Recoil

Pressure Washer Specifications

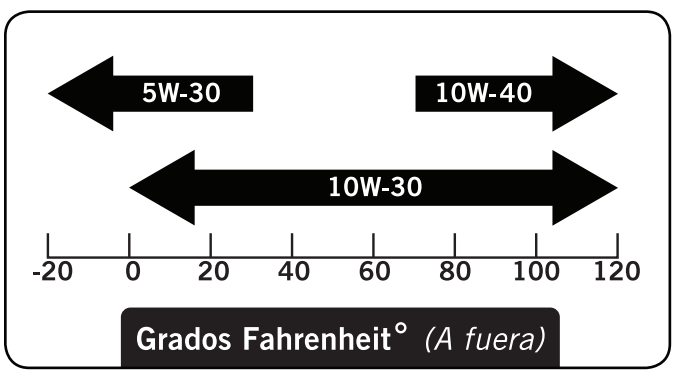
- Model 76520
- Max Pressure . . . . . 3000 PSI
- Flow Capacity . . . . . 2.5 GPM
- Fuel Capacity . . . . . 0.90 gal. (3.4 L)
- Gross Weight . . . . . 87.1 lbs. (39.5 kg)
- Net Weight . . . . . 73.9 lbs. (33.5 kg)
- Height . . . . . 38.2 inches (97 cm)
- Width . . . . . 19.9 inches (50.6 cm)
- Length . . . . . 36.3 inches (92.1 cm)

Fuel

Fuel capacity is 0.90 gal. (3.4 L). Use regular unleaded gasoline with a minimum octane rating of 85 and an ethanol content of less than 10% by volume.

Oil

Use 10W-30 automotive oil.
Oil capacity is up to 0.63 qt. (0.6 L).
Please reference the following chart for recommended oil types for use in the pressure washer.



Spark Plugs

OEM spark plug: NHSP F6RTC
Replacement spark plug: NGK BPR6ES or equivalent
Make certain the spark plug gap is 0.7 - 0.8 mm or (0.028 - 0.031 in.).

Maintenance Valve Clearance

- Intake: 0.13 – 0.17 mm (0.005 – 0.007 in.)
- Exhaust: 0.18 – 0.22 mm (0.007 – 0.009 in.)

Note: Tech bulletin regarding the valve adjustment procedure is on www.championpowerequipment.com.

TROUBLESHOOTING

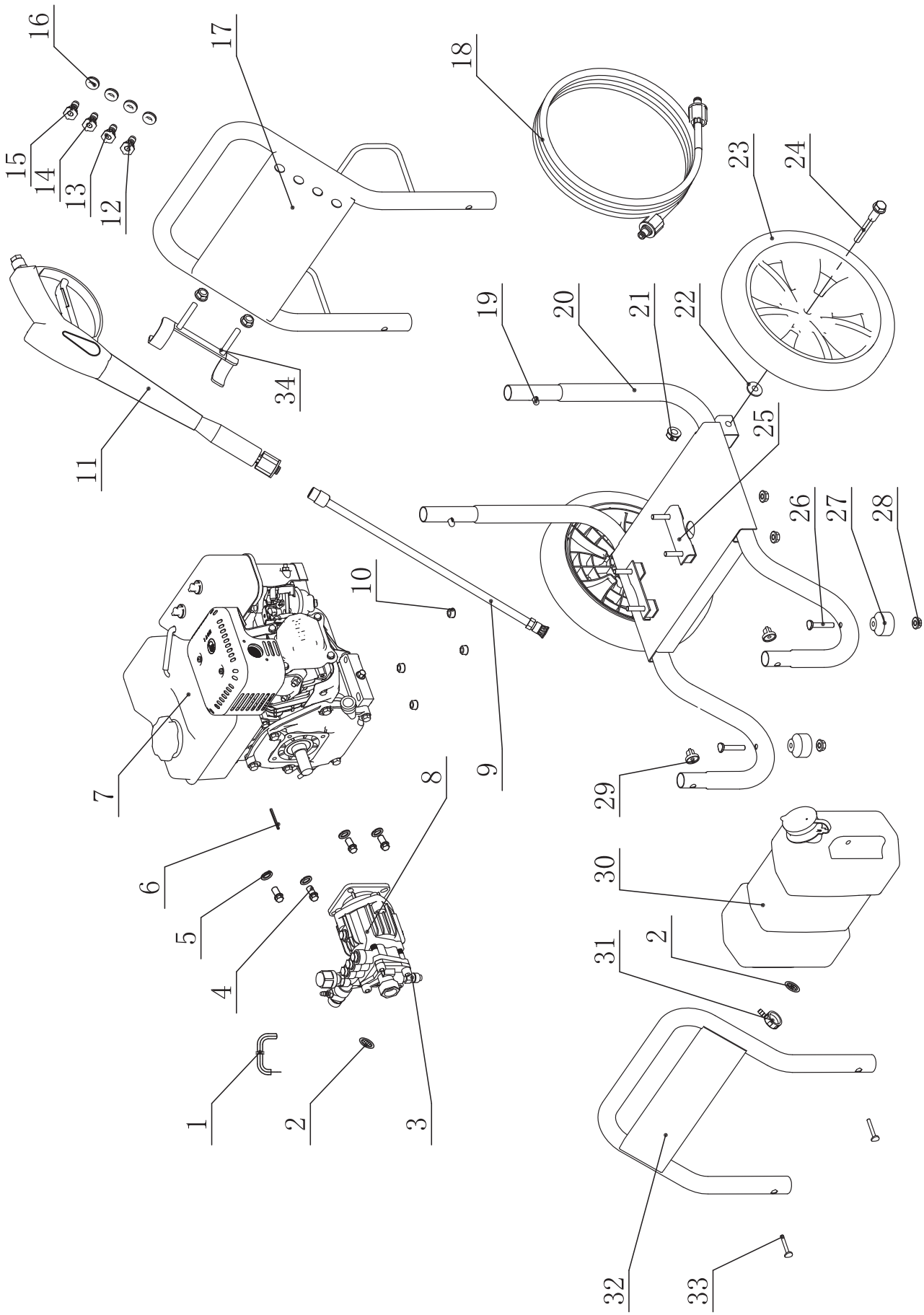
Problem	Cause	Solution
Pressure washer will not start	No fuel	Add fuel
	Faulty spark plug	Replace spark plug
Pressure washer will not start; Pressure washer starts but runs roughly	Low oil level	Fill crankcase to the proper level Place pressure washer on a flat, level surface
	Choke in the wrong position	Adjust choke
	Spark plug wire loose	Attach wire to spark plug
Pressure washer gallops	Engine governor defective	Contact the help line
Unit does not reach high pressure	Water supply is restricted	Check hoses for leaks, blockage, kinks
	Garden hose is too small	Replace with 5/8 in. garden hose or larger
	Garden hose inlet filter is clogged	Remove garden hose, clean filter and rinse out
	Not enough inlet water	Turn garden hose water on full force
Spray pressure varies from high to low	Poor inlet water supply	Turn garden hose water on full force. Check hose for leaks, blockage, or kinks
	Garden hose inlet filter is clogged	Remove garden hose, clean filter and rinse out
	Spray nozzle is obstructed	Remove particles with small wire rod (see maintenance section in manual)
	Pump is sucking air	Check all hoses and fittings, make sure they are securely tightened down and fastened. Turn off engine and purge pump by squeezing trigger gun until a steady stream of water flows
Detergent wash is not functioning properly	Detergent is too thick	Dilute detergent
	Wand is on high pressure setting	Detergent only works on a low pressure setting
	Detergent hose is not connected to the pump housing	Check connection. See diagram on Page 10
	Spray nozzle is obstructed	Clean nozzle and remove debris
	Filter on detergent hose is clogged	Clean with warm water or replace
	Chemical Injector valve (inside pump) partially blocked or stuck	Quickly pull and release the gun trigger 4-5 time to clear the chemical injector valve
Garden hose connection leaks	Loose fittings	Tighten
	Missing/worn-out rubber washer	Replace rubber washer
Spray wand leaks	Spray wand not properly attached	Tighten all connections
Can't Pull Recoil	Pump will build pressure with each pull.	Pull gun trigger after 2 pulls of recoil, to release pump pressure.

For further technical support:

Technical Service
Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free: 1-877-338-0999
tech@championpowerequipment.com

SPECIFICATIONS

Parts Diagram

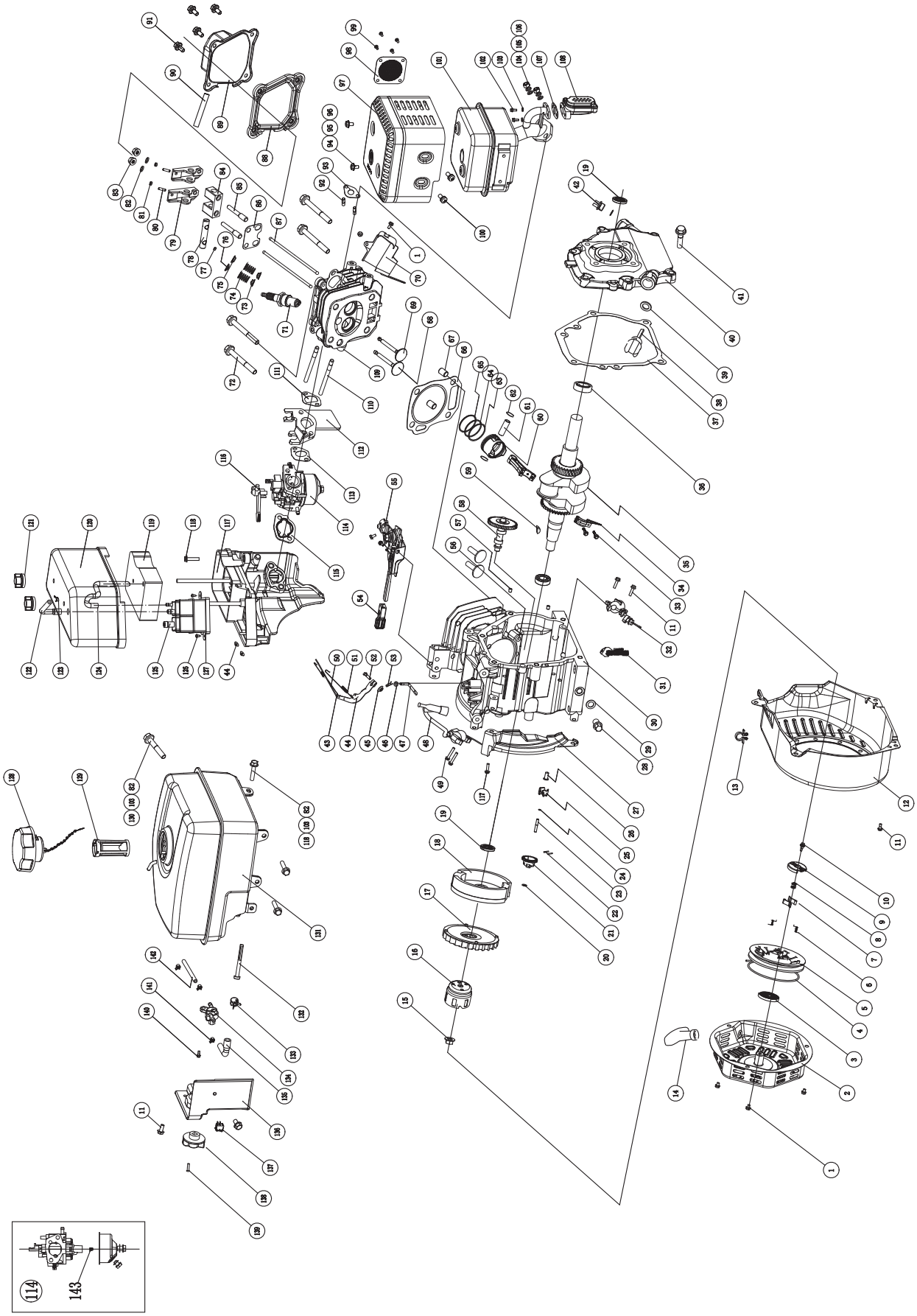


#	Part Number	Description	Qty
1	ST30QXG-0000101	Chemical Hose	1
2	ST29QXG-3300200	Inlet Filter Gasket	2
3	ST30QXG-3300300	Hot Protection	1
4	ST29QXG-2000001	Bolt 5/16-24 D22	4
5	GB93-LW-8	Spring Washer φ8	4
6	ST29QXG-2000006	Key SQ 3/16×1.57	1
7	168F-2-GC10	Engine	1
8	819.251000.00	Pump	1
9	819.252200.00	Connect Wand	1
10	GB41-N-8	Nut M8	10
11	819.252100.00	Gun Assembly	1
12	819.252300.00	Nozzle"15"	1
13	819.252300.01	Nozzle"25"	1
14	819.252300.02	Nozzle"40"	1
15	819.252300.03	Nozzle"Detergent"	1
16	ST22QXP-2100003	Grommet	4
17	819.200701.01	Handle (2)	1

#	Part Number	Description	Qty
18	819.250100.00	Compression Resistance Hose	1
19	ST29QXG-2100003	Pin	2
20	ST-QT-0092	Frame	1
21	GB41-N-10	Nut M10	2
22	GB96-FW-10	Flat Washer φ10	2
23	13.012000.01	12in Wheel	2
24	08.010082.10	Bolt M10×82	2
25	ST29QXG-2100200	Bottom Rubber	2
26	08.008052.10	Bolt M8×52	2
27	816.201400.00	Frame Rubber	2
28	GB41-N-8	Nut M8	2
29	ST168F-1090100-C	Screw Cap	2
30	819.250200.00	Cleanser Tank	1
31	819.250201.00	Tie-In	1
32	819.200701.00	Handle (1)	1
33	08.006045.10	Bolt M6×45	2
34	819.200012.02	Pothook (Light)	1

SPECIFICATIONS

Engine Parts Diagram



#	Part Number	Description	Qty
1	GB5789-FB6-8	Flange Bolt M6x8	5
2	ST160F-1061100-Q	Recoil Starter Cover	1
3	ST160F-1061005	Recoil Starter Spring	1
4	ST160F-1061009	Recoil Starter Rope	1
5	ST160F-1061001-A	Recoil Starter Reel	1
6	ST188F-1060006	Spring, Ratchet	2
7	ST188F-1060005	Starter Ratchet (Metal)	2
8	ST188F-1060004	Ratchet Guide Spring	1
9	ST188F-1060003	Ratchet Guide	1
10	ST188F-1060002	Screw, Ratchet Guide	1
11	GB5789-FB6-12	Flange Bolt M6x12	10
12	ST168F-1080100-G	Fan Cover Assembly	1
13	ST168F-1070008-G	Clip, Tube φ9.5	1
14	ST160F-1061200	Recoil Starter Knob	1
15	ST160F-1050010	Nut M14	1
16	ST160F-1060001-A	Start Hub	1
17	ST168F-1080001	Cooling Fan	1
18	ST168F-1120100	Flywheel	1
19	ST168F-1030100	Oil Seal	2
20	ST160F-1110106	Washer, Governor	1
21	ST160F-1110101	Governor Gear	1
22	ST160F-1110102	Pin, Weight	2
23	ST160F-1110104	Shaft, Governor Gear	1
24	ST160F-1110103	Circlip, Governor Gear	1
25	ST160F-1110107	Governor Weight	2
26	ST160F-1110105-A	Bushing, Governor	1
27	ST168F-1080200	Air Guide	1
28	ST160F-1030003	Drain Bolt	2
29	ST160F-1030004	Washer, Drain Bolt	2
30	ST168F-2-1030012-G	Crankcase	1
31	ST160F-1129000-G	Diode	1
32	ST160F-1127000-A	Oil Level Sensor	1
33	GB5758-AM7x35	Flange Bolt 7x35	2
34	ST168F-1050100	Connecting Rod Assembly	1
35	ST168F-2-1050001-Q	Crankshaft Assembly	1
36	GB276-BB-6205-UU	Radial Ball Bearing 6205	2
37	ST168F-1030008-G	Gasket, Crankcase	1
38	ST160F-1030001-B	Oil Dipstick	1
39	ST160F-1030002	Gasket, Oil Dipstick	2
40	ST168F-1030007-G	Crankcase Cover	1
41	GB5789-FB8-32	Flange Bolt 8x32	6
42	ST160F-1030005-B	Oil Filler Cap	1
43	ST168F-1110005	Spring, Throttle Return	1
44	ST160F-1110003	Governor Arm	1
45	GB41-N-6	Nut M6	3
46	ST160F-1110108	Washer, Governor (II)	1
47	ST160F-1110001	Shaft, Governor Arm	1
48	ST160F-1123000-G	Ignition Coil	1
49	GB5789-FB6-25	Flange Bolt 6x25	2
50	ST168F-1110006	Rod, Governor	1
51	ST168F-1110007	Spring, Governor	1
52	ST160F-1110004	Bolt, Governor Arm	1
53	ST160F-1110008	Pin, Shaft	1
54	168.111008.01	Sheath, Control Handle	1
55	168.111000.30	Control Assembly	1
56	ST168F-2-1040013	Lifter, Valve	2
57	ST168F-1030015-G	Dowel Pin 9x14	2
58	ST168F-2-1041000	Camshaft Assembly	1
59	GB1099-79	Key	1
60	ST168F-2-1050005	Piston	1
61	ST168F-1050003	Wrist Pin	1
62	ST168F-1050004	Piston Pin Clip	2
63	ST168F-1050200	Ring, Oil	1
64	ST168F-1050006	Ring, Second	1
65	ST168F-1050007	Ring, First	1
66	ST168F-2-1030009-G	Gasket, Cylinder Head	1
67	152FMD-1001007	Dowel Pin 10x16	2
68	ST168F-1040002	Valve, Intake	1
69	ST168F-1040006	Valve, Exhaust	1
70	ST168F-1080002-G	Gasket, Cylinder Head	1
71	F6RTC	Spark Plug	1
72	GB5789-FB8-55	Flange Bolt 8x55	4

#	Part Number	Description	Qty
73	ST168F-1040014-A	Oil Seal, Valve	2
74	ST160F-1040003	Spring, Valve	2
75	ST160F-1040007	Retainer, Exhaust Valve	1
76	ST160F-1040001	Retainer, Intake Valve	1
77	ST160F-1040008	Rotator, Exhaust Valve	1
78	168.040202.34	Shaft, Rocker Arm	1
79	ST160F-1040022	Rocker Arm	2
80	ST160F-1040024	Screw, Valve Adjustment	2
81	ST168F-1040025	Lock Nut	2
82	GB90-W-6	Washer φ6	6
83	GB41-N-6	Nut M6	2
84	168.040201.34	Retainer, Rocker Arm	1
85	ST168F-1040027	Stud Bolt, Rocker Arm	2
86	168.040004.34	Guide Plate, Push Rod	1
87	ST168F-1040005	Push Rod	2
88	ST160F-1020002-A	Gasket, Valve Cover	1
89	ST168F-1020100-C	Valve Cover Assembly	1
90	ST160F-1020001	Breather Tube	1
91	GB5789-FB6-15	Flange Bolt M6x15	4
92	ST160F-1010002	Stud Bolt	2
93	ST168F-1100200-G	Gasket, Muffler	1
94	GB1667-S5-10	Screw M5×10	2
95	GB90-W-5	Washer φ5	2
96	GB93-LW-5	Lock Washer φ5	2
97	168.101200.34	Cover, Muffler	1
98	188.101300.34	Spark Arrester	1
99	GB1667-S4-6	Bolt M4X6	4
100	GB5781-B5-10	Bolt M5X10	2
101	168.101100.36	Muffler Assembly	1
102	GB1667-S6-16	Screw M6×16	2
103	GB93-LW-6	Lock Washer φ6	6
104	GB41-N-8	Nut M8	2
105	GB90-W-8	Washer φ8	2
106	GB93-LW-8	Lock Washer φ8	2
107	ST168FD-1100003-CARB	Gasket, SAI Valve	1
108	ST168FD-1100300-CARB	SAI Valve	1
109	ST168F-2-1010100-G	Cylinder Head	1
110	ST160F-1010001	Stud Bolt 6x110	2
111	ST160F-1130002-CPE	Gasket, Insulator	1
112	ST168F-1130001	Insulator, Carburetor	1
113	ST160F-1130003-CPE	Gasket, Carburetor	1
114	ST168F-2-1131000-G	Carburetor Assembly	1
115	ST160F-1130004	Washer, Air Cleaner Base	1
116	ST160F-1130100	Choke Handle	1
117	168.091100.34	Base, Air cleaner	1
118	GB5789-FB6-20	Flange Bolt M6x20	5
119	168.091003.36	Element, Air Cleaner	1
120	168.091200.36	Cover, Air Cleaner	1
121	ST168F-1090100-C	Nut, Air Cleaner Cover (Plastic)	2
122	168.070014.01	Pipe, Reversal Valve	1
123	ST160F-1070007	Clip	1
124	168.070013.00	Pipe, Air Cleaner	1
125	ST168F-1071400-GC	Carbon Canister	1
126	GB845-ST2.9-6.5	Screw	2
127	03.032001.00	Washer	2
128	168.070100.05	Fuel Tank Cap	1
129	0902.070301.00	Fuel Filter	1
130	GB5789-FB6-29	Flange Bolt M6x29	1
131	168.071000.36	Fuel Tank Assembly	1
132	ST152FD-1070200	Inline Fuel Filter	1
133	ST1P68F-1070006-F	Clip	1
134	ST168F-1070200-G	Fuel Cock	1
135	ST168F-1070005-G	Tube 2	1
136	168.070010.34	Veil, Fuel Tank	1
137	ST01FD-05701001	Switch	1
138	ST168F-1070003-G	Knob, Fuel Valve	1
139	GB5781-B4-12	Bolt M4x12	1
140	GB5789-FB5-12	Flange Bolt M5x12	1
141	ST188FD-1070006A	Clip φ8	3
142	ST168F-1070004-G	Tube 1	1
143A	ST168F-2-1131000-17	Standard Main Jet	1
143B	468.131017.01	Altitude Main Jet	/

WARRANTY

CHAMPION POWER EQUIPMENT
1 YEAR LIMITED WARRANTY

Effective September 1, 2006. Replaces all undated warranties and all warranties dated before September 1, 2006.

Warranty Qualifications

Champion Power Equipment (CPE) will register this warranty upon receipt of your Warranty Registration Card and a copy of your sales receipt from one of CPE's retail locations as proof of purchase.
Please submit your warranty registration and your proof of purchase within ten (10) days of the date of purchase.

Repair/Replacement Warranty

CPE warrants to the original purchaser that the mechanical and electrical components will be free of defects in material and workmanship for a period of one (1) year from the original date of purchase (90 days for commercial & industrial use). Transportation charges on product submitted for repair or replacement under this warranty are the sole responsibility of the purchaser. This warranty only applies to the original purchaser and is not transferable.

Do Not Return The Unit To The Place Of Purchase

Contact CPE's Technical Service and CPE will troubleshoot any issue via phone or e-mail. If the problem is not corrected by this method, CPE will, at its option, authorize evaluation, repair or replacement of the defective part or component at a CPE Service Center. CPE will provide you with a case number for warranty service. Please keep it for future reference. Repairs or replacements without prior authorization, or at an unauthorized repair facility, will not be covered by this warranty.

Warranty Exclusions

This warranty does not cover the following repairs and equipment:

Normal Wear

Pressure washers need periodic parts and service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance

This warranty will not apply to parts and/or labor if this pressure washer is deemed to have been misused, neglected, involved in an accident, abused, loaded beyond the pressure washer's limits, modified, installed improperly or connected incorrectly to any water supply.

Installation, Use and Maintenance Cont'd.

Normal maintenance such as spark plugs, air filters, adjustments, fuel system cleaning and obstruction due to buildup is not covered by this warranty.

Other Exclusions

This warranty excludes:

- Cosmetic defects such as paint, decals, etc.
- Wear items such as filter elements, o-rings, etc.
- Accessory parts such as starting batteries, and storage covers.
- Failures due to acts of God and other force majeure events beyond the manufacturer's control.
- Problems cause by parts that are not original Champion Power Equipment parts.

Limits of Implied Warranty and Consequential Damage

Champion Power Equipment disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this pressure washer. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
A unit provided as an exchange will be subject to the warranty of the original unit. The length of the warranty governing the exchanged unit will remain calculated by reference to the purchase date of the original unit.
This warranty gives you certain legal rights which may change from state to state. Your state may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

Address

Champion Power Equipment, Inc.
Customer Service
10006 Santa Fe Springs Rd.
Santa Fe Springs, CA 90670
www.championpowerequipment.com

Customer Service

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free:1-877-338-0999
info@championpowerequipment.com
Fax no.: 1 (562) 236-9429

Technical Service

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free: 1-877-338-0999
tech@championpowerequipment.com

Champion Power Equipment, Inc. (CPE),
The California Air Resources Board (CARB) and the United States Environment Protection Agency (U.S. EPA.)
Emission Control System Warranty

Your Champion Power Equipment (CPE) engine complies with both the U.S. EPA and state of California Air Resources Board (CARB) emission regulations.

YOUR WARRANTY RIGHTS AND OBLIGATIONS:

The California Air Resources Board, US EPA AND CPE are pleased to explain the Federal and California Emission Control Systems Warranty on your 2012 small off-road engine and engine powered equipment. In California, new, small off-road engines and new equipment that use small off-engines must be designed, built and equipped to meet the State's stringent anti smog standards. In the other states, new engines and equipment must be designed, built and equipped, at the time of sale, to meet U.S. EPA regulations for small non-road engines. CPE warrants the emission control system on your small off-road engine and equipment for the period of time listed below, provided there has been no abuse, neglect, unapproved modification, or improper maintenance of your equipment.

Your emission control system may include parts such as the carburetor, fuel-injection system, the ignition system, catalytic converter and fuel lines. Also included may be hoses, belts, connectors and other emission related assemblies. Where a warrantable condition exits, CPE will repair your small off-road engine at no cost to you including diagnosis, parts and labor. For engines less than or equal to 80cc, only the fuel tank and fuel line is subject to the evaporative emission control warranty requirements of this section.

MANUFACTURER'S EMISSION CONTROL SYSTEM WARRANTY COVERAGE:

This emission control system is warranted for two years, subject to provisions set forth below. If, during the warranty period, emission related part on your engine is defective in materials or workmanship, the part will be repaired or replaced by CPE.

OWNER WARRANTY RESPONSIBILITIES:
As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. CPE recommends that you retain all your receipts covering maintenance on your small off-road engine, but CPE cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine owner, you should however be aware that CPE may deny you warranty coverage if your small, off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to an Authorized CPE service outlet or alternate service outlet as described in (3)(f.) below, CPE dealer or CPE, Santa Fe Springs, Ca. as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact:

Champion Power Equipment, Inc.
Customer Service
10006 Santa Fe Springs Road
Santa Fe Springs, CA 90670
1-877-338-0999

EMISSION CONTROL SYSTEM WARRANTY

The following are specific provisions relative to your Emission Control System Warranty Coverage.

1. APPLICABILITY: This warranty shall apply to 1995 and later model year California small off-road engines (for other states, 1997 and later model year engines). The ECS Warranty Period shall begin on the date the new engine or equipment is delivered to its original, end-use purchaser, and shall continue for 24 consecutive months thereafter.

2. GENERAL EMISSIONS WARRANTY COVERAGE

CPE warrants to the original, end-use purchaser of the new engine or equipment and to each subsequent purchaser that each of its small off-road engines is:

a. Designed, built and equipped so as to conform with all applicable regulations adopted by the Air Resources Board pursuant to its authority in Chapters 1 and 2, Part 5, Division 26 of the Health and Safety Code, and

b. Free from defects in materials and workmanship that cause the failure of a warranted part to be identical in all material respects to the part as described in the engine manufacturer's application for certification for a period of two years.

3. THE WARRANTY ON EMISSION-RELATED PARTS WILL BE INTERPRETED AS FOLLOWS:

a. Any warranted part that is not scheduled for replacement as required maintenance in the Owners Manual shall be warranted for the ECS Warranty Period. If any such part fails during the ECS Warranty Period, it shall be repaired or replaced by CPE according to Subsection "d" below. Any such part repaired or replaced under the ECS Warranty shall be warranted for any remainder of the ECS Warranty Period.

b. Any warranted, emissions-related part which is scheduled only for regular inspection as specified in the Owners Manual shall be warranted for the ECS Warranty Period. A statement in such written instructions to the effect of "repair or replace as necessary", shall not reduce the ECS Warranty Period. Any such part repaired or replaced under the ECS Warranty shall be warranted for the remainder of the ECS Warranty Period.

c. Any warranted, emissions-related part which is scheduled for replacement as required maintenance in the Owner's Manual shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by CPE according to Subsection "d" below. Any such emissions-related part repaired or replaced under the ECS Warranty, shall be warranted for the remainder of the ECS Warranty Period prior to the first scheduled replacement point for such emissions-related part.

d. Repair or replacement of any warranted, emissions-related part under this ECS Warranty shall be performed at no charge to the owner at a CPE Authorized Service Outlet.

e. The owner shall not be charged for diagnostic labor which leads to the determination that a part covered by the ECS Warranty is in fact defective, provided that such diagnostic work is performed at a CPE Authorized Service Outlet.

f. CPE shall pay for covered emissions warranty repairs at non-authorized service outlets under the following circumstances:

i. The service is required in a population center with a population over 100,000 according to U.S. Census 2000 without a CPE Authorized Service Outlet AND

ii. The service is required more than 100 miles from a CPE Authorized Service Outlet. The 100 mile limitation does not apply in the following states: Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nebraska, Nevada, New Mexico, Oregon, Texas, Utah and Wyoming.

g. CPE shall be liable for damages to other original engine components or approved modifications proximately caused by a failure under warranty of an emission-related part covered by the ECS Warranty.

h. Throughout the ECS Warranty Period, CPE shall maintain a supply of warranted emission-related parts sufficient to meet the expected demand for such emission-related parts.

i. Any CPE Authorized and approved emission-related replacement part may be used in the performance of any ECS Warranty maintenance or repair and will be provided without charge to the owner. Such use shall not reduce CPE's warranty obligation.

j. Unapproved add-on or modified parts may not be used to modify or repair a CPE engine. Such use voids this ECS Warranty and shall be sufficient grounds for disallowing an ECS Warranty claim. CPE shall not be liable hereunder for failures of any warranted parts of a CPE engine caused by the use of such an unapproved add-on or modified part.

EMISSION-RELATED PARTS INCLUDE THE FOLLOWING: (using those portions of the list applicable to the engine)

Systems covered by this warranty	Parts Description
Fuel Metering System	Fuel regulator, Carburetor and internal parts
Air Induction System	Air cleaner, Intake manifold
Ignition System	Spark plug and parts, Magneto ignition system
Exhaust System	Exhaust manifold, catalytic converter
Miscellaneous Parts	Tubing, Fittings, Seals, Gaskets, and Clamps associated with these listed systems.
Evaporative Emissions	Fuel Tank, Fuel Cap, Fuel Line, Fuel Line Fittings, Clamps, Pressure Relief Valves, Control Valves, Control Solenoids, Electronic Controls, Vacuum Control Diaphragms, Control Cables, Control Linkages, Purge Valves, Vapor Hoses, Liquid/Vapor Separator, Carbon Canister, Canister Mounting Brackets, Carburetor Purge Port Connector

TO OBTAIN WARRANTY SERVICE:

You must take your CPE engine or the product on which it is installed, along with your warranty registration card or other proof of original purchase date, at your expense, to any Champion Power Equipment dealer who is authorized by Champion Power Equipment, Inc. to sell and service that CPE product during his normal business hours. Alternate service locations defined in Section (3)(f.) above must be approved by CPE prior to service. Claims for repair or adjustment found to be caused solely by defects in material or workmanship will not be denied because the engine was not properly maintained and used.

If you have any questions regarding your warranty rights and responsibilities, or to obtain warranty service, please write or call Customer Service at Champion Power Equipment, Inc.

Champion Power Equipment, Inc.
10006 Santa Fe Springs Road
Santa Fe Springs, CA 90670
1-877-338-0999
Attn.: Customer Service